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International Specialists in the Environment

M E M O R A N D U M

REFERENCE #9
SITE NAME JJ Schultz Container
SITE ID ILD096778547

DATE: November 4, 1985
TO: File
FROM: Dave Curnock DC
SUBJECT: Illinois/R05-8410-01/IL0303
Lemont/J.J. Schultz Container
ILD096778547

J. J. Schultz Container was a drum cleaning and transfer facility located near the Sanitary and Ship Canal south of Lemont, Illinois. The facility would accept empty drums, clean and then sell the drums to larger recycling operations. In 1980, over two thousand drums were reported to have been on the one acre site.

The washwater from the cleaning process was channelled off into a 5'x5'x5' unlined pit located in what is now a parking/driveway area (see Drawing I). Operations ceased in the early 1980's and the property was sold to RAL Construction in 1983.

There were no drums onsite when RAL began operations. The washwater disposal pit had been filled in also. RAL currently uses the facility for constructing and storage of highway signs.

The facility became a candidate for FIT involvement via a Preliminary Assessment submitted to the USEPA by the Illinois EPA.

On May 1, 1985, the facility was inspected by FIT. Representatives of RAL Construction were in attendance, however, there was no representative for J. J. Schultz Container. During the inspection five composite soil samples were collected (see Drawing I for locations). These samples were taken to help characterize the

potentially hazardous materials that were brought to the site during the drum cleaning and transfer operations by Schultz.

Due to laboratory problems, the acid-base-nuetral organic analysis data is unacceptable. The volatile organic values are qualitative only, the quantities are estimated. The pesticide and metals analysis are acceptable.

Samples 1 and 2 were taken onsite while 3 and 4 were taken adjacent to the site in an area that been previously used for disposal of drums and refuse. Sample 5 was a background sample for comparative purposes. Sample 1 revealed elevated levels of barium, chromium and mercury compared to the background sample. Samples 3 and 4 showed elevated levels of barium and chromium also. Sample 3 also elicited 68,000 ppb of PCB (araclor). Although lead was prevalent in samples 1,3 and 4, the laboratory spike recovery was out of the control limits for acceptable data.

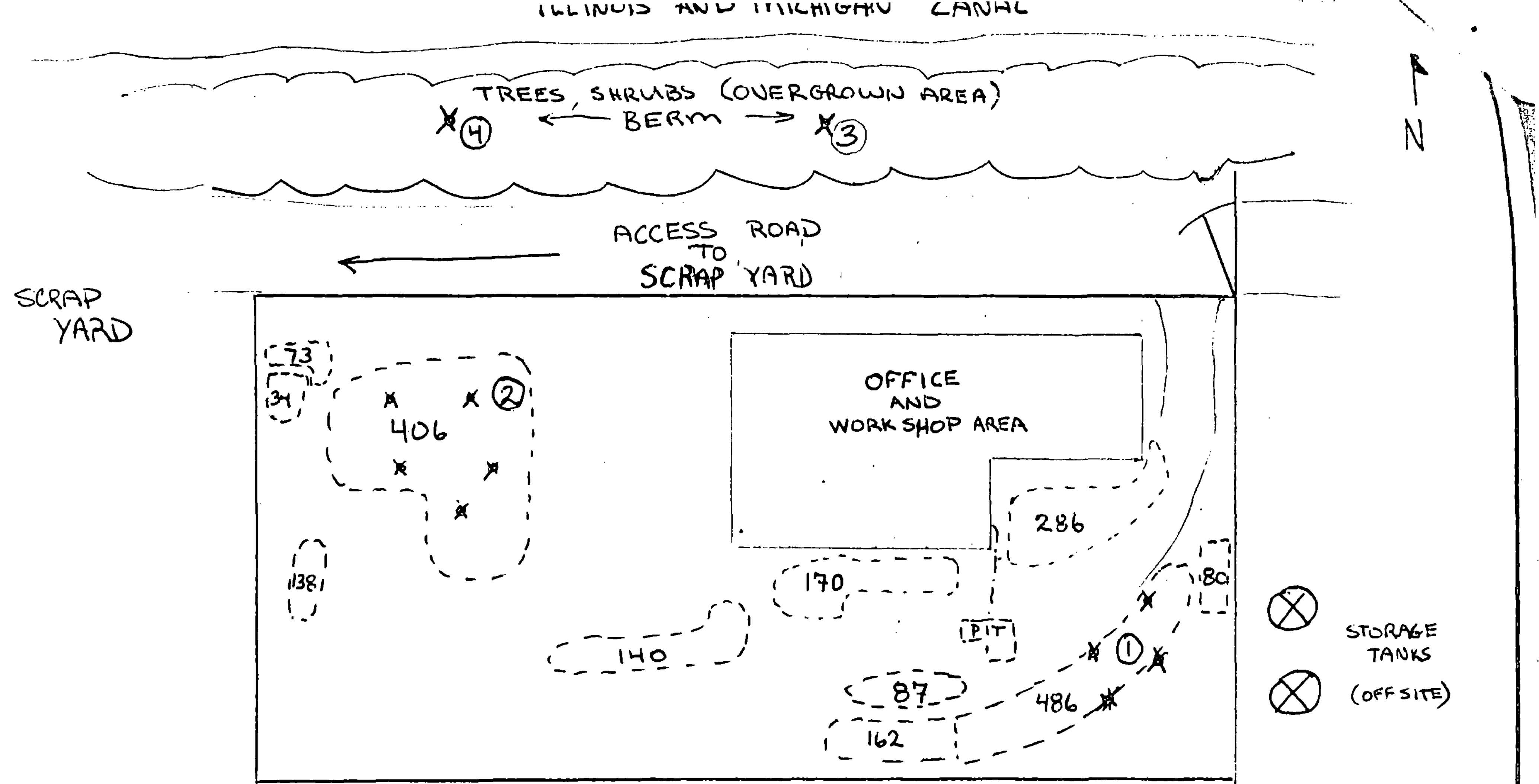
	Barium	Mercury	Chromium	Lead	PCB (araclor)
Sample	----	mg/kg	----	----	ug/l
1 (Onsite)	306	84	217	824R*	ND
2 (Onsite)	83	1.0	79	140R	ND
3 (Offsite)	245	0.24	116	7880R	68,000
4 (Offsite)	357	0.06U**	199	1760R	ND
5 (Background)	75	0.06U	19	106R	ND

*R - Spike recovery out of control limits, data questionable.
**U - Analyzed for but not detected.

The main area of the facility is surrounded by a cyclone fence with a locking gate. There is an earthen berm overgrown with trees and shrubs to the northwest of the site separating it from the Sanitary

and Ship Canal. The site is generally flat with a 1-2% slope to the northwest. The nearest well is approximately 80 feet deep and located at a residence approximately 1000 feet east of the site.

51R:5M



X Sample locations, 5-1-85

(25) Previous drum storage area, Approximate number of drums in 1980.

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SCALE: NONE	APPROVED BY:	DRAWN BY CURNOCK
DATE: 10-18-85		REVISED –

J.J. Schultz Container, Lemont, IL

DRAWING NUMBER
1

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